## Power Quality Problem | SEL-735 Solution

<table>
<thead>
<tr>
<th>Power Reliability Issues</th>
<th>ITIC/CBEMA curves report reliability metrics.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequent Equipment Damage</td>
<td>Imbalance and overvoltage reports log damaging voltage deviations.</td>
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<tr>
<td>Lights Blink</td>
<td>Voltage sag/swell/interruption recorder trends troublesome undervoltage events.</td>
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<tr>
<td>Lights Flicker</td>
<td>Meter trends annoying flicker.</td>
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<tr>
<td>Unexpected Equipment Shutdown</td>
<td>High-resolution waveform capture and precise time stamps help align power quality issues with equipment operation.</td>
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<tr>
<td>Overheated Electrical Equipment</td>
<td>Power factor, harmonic, and imbalance trending identify system inefficiencies.</td>
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<tr>
<td>Blown Fuses</td>
<td>Programmable alarms inform operators of overvoltage disturbances.</td>
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<tr>
<td>Noisy Transformers</td>
<td>Harmonic recording and alarms up to the 63rd order help pinpoint the source of noisy harmonic disturbances.</td>
</tr>
<tr>
<td>Higher Than Expected Energy Bills</td>
<td>Portable PQ Meter displays revenue-accurate billing quantities, including energy, demand, and time-of-use metering.</td>
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</tbody>
</table>
Specifications

Voltage Inputs
0–300 V continuous
600 V for 10 seconds

Optional Current Transformers
Three 200:1 Clamp-On CTs, 0.6" Window, 1% Accuracy, 915900209
Three 1000:5 Clamp-On CTs, 2.0" Window, 1% Accuracy, 915900210
Three 1000:5 Split-Core CTs, 4.5" Window, 3% Accuracy, 915900211
Three 2000:5 Split-Core CTs, 6.0" Window, 3% Accuracy, 915900212
Three 3000:5 Split-Core CTs, 8.0" Window, 3% Accuracy, 915900213

Power Supply
Continuous Operating Limits
High-Voltage Supply 85–264 Vac (50/60 Hz)
85–275 Vdc

Operating Temperature
IEC 60068-2-1:1993 −40° to +85°C (−40° to +185°F)
UL/CSA −40° to +80°C (−40° to +176°F)

Meter Compliance

IEC 61000-4-30 Class A
ISO: Meter is designed and manufactured using ISO 9001:2008 certified quality program.
ANSI C12.20-2002; Class 0.2, CL2, and CL10/CL20
Radiated Emissions: FCC Part 15; Class A
IEC 62053-22:2003; Class 0,2 S
IEC 62052-11; Rack-Mounted Meters
IEC 62053-23:2003; Class 0,2 S
CAN/CSA Certification: C22.2 No. 61010-04
IEC 61010-1:2001
UL 61010-1:2004 2nd Edition
ERCOT Compliant